

MATERIAL SAFETY DATA SHEET

PRODUCT DUBRO 700 FORGING COMPOUND

HAZARD RATING 4 - EXTREME 3 - HIGH 2 - MODERATE 1 - SLIGHT 0 - INSIGNIFICANT		Fire
		Toxicity
		Reactivity
		Special

1 DUBRO OIL CORPORATION		EMERGENCY TELEPHONE MANUFACTURER (216) 696-2646
2 2400 Mulberry Street • Cleveland, Ohio 44113 • Phone (216) 696-2646		
3 CHEMICAL NAME OR FAMILY <u>Primarily Petroleum Hydrocarbon</u>		4 FORMULA <u>Mineral oil, graphite, Additives</u>

HAZARDOUS DECOMPOSITION PRODUCTS		FORM	
5 None		6 Viscous Liquid	
INCOMPATIBILITY (KEEP AWAY FROM)		7 Bland	
8 Strong oxidizing agents		APPEARANCE	
LIST ALL TOXIC AND HAZARDOUS INGREDIENTS		9 Black Fluid	
No lead		10 COLOR	
No sulfur		11 Black	
7 None		SPECIFIC GRAVITY (WATER = 1)	
		12 .91	

SPECIAL FIRE FIGHTING PROCEDURES		FLASH POINT (METHOD USED)	
Chemical Extinguisher		26 301 °C 575 °F	
Normal methods for petroleum fires		FLAMMABLE LIMITS %	
24 None		27 LOWER UPPER	
UNUSUAL FIRE AND EXPLOSION HAZARDS		EXTINGUISHING AGENTS	
None		1. DRYCHEMICAL CO. X	
		1. WATERSPRAY FOAM	
		1. WATERFOG SAND/EARTH	
25		28 OTHER	

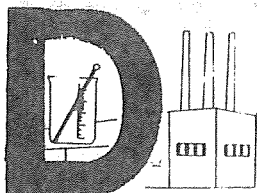
PERMISSIBLE CONCENTRATIONS (AIR)		13 BOILING PT.	
29 N/A		92 °C	
EFFECTS OF OVEREXPOSURE		13 2850 °F	
30 N/A		MELTING PT.	
TOXICOLOGICAL PROPERTIES		14	
31 None		SOLUBILITY IN WATER	
EMERGENCY FIRST AID PROCEDURES		Insoluble	
32 EYES Flush with water-Consult Physician		AT °C	
33 SKIN CONTACT Wash with soap and water		15	
34 INHALATION		% VOLATILE (BY WT %)	
35 IF SWALLOWED Consult Physician immediately		16	
		EVAP. RATE	
		17 N/A	
		VAPOR PRESSURE	
		18 0.01 mm	
		VAPOR DENSITY (AIR = 1)	
		19 51	
		pH AS IS	
		20 N/A	
		pH ()	
		21	
		STRONG ACID	
		STRONG BASE	
		STABLE	
		UNSTABLE	
		22	
		VISCOSITY	
		23 150-170	

NA = NOT APPLICABLE

NDA = NO DATA AVAILABLE

< = LESS THAN

> = MORE THAN



MATERIAL SAFETY DATA SHEET

PRODUCT Dubro 550

PROTECTION INFORMATION

VENTILATION TYPE REQUIRED (LOCAL, MECHANICAL, SPECIAL)

General Plant Ventilation

PROTECTIVE GLOVES

38 None

EYE PROTECTION

39 Safety Glasses

OTHER PROTECTIVE EQUIPMENT

40 None

36

RESPIRATORY PROTECTION (SPECIFY TYPE)

None

37

SECTION VI - HANDLING OF SPILLS OR LEAKS

PROCEDURES FOR CLEAN-UP

Apply oil absorbant, sweep up and
remove residue with alkaline cleaner

41

WASTE DISPOSAL

Place contaminated material in disposal containers
and bury in an approved landfill site

42

SECTION VII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid strong oxidizing agents

43

SECTION VIII - TRANSPORTATION DATA

UNREGULATED
BY D.O.T.

U.S. D.O.T. PROPER SHIPPING NAME

44

47

REGULATED
BY D.O.T.

U.S. D.O.T. HAZARD CLASS

45

48

I.D. NUMBER

49

TRANSPORTATION
EMERGENCY
INFORMATION

50

LABEL(S) REQUIRED

51

FREIGHT CLASSIFICATION

52

SPECIAL TRANSPORTATION NOTES

53

46

SECTION IX - COMMENTS

54

SIGNATURE

*C. W. Rough*TITLE President

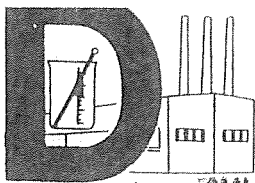
REVISION DATE

SENT TO ATTN:

DATE 07/01/95

SUPERSEDES

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.



MATERIAL SAFETY DATA SHEET

CDF #0906

PRODUCT DUBRO 550 FORGING COMPOUND

JUL 30 1995

HAZARD RATING NFPA	4 - EXTREME	Fire 0 0 0 0 0 0 0 0	Reactivity 0 0 0 0 0 0 0 0
	3 - HIGH		
	2 - MODERATE		
	1 - SLIGHT		
	0 - INSIGNIFICANT		
Toxicity		Special	

SECTION I

1	DUBRO OIL CORPORATION	EMERGENCY TELEPHONE MANUFACTURER (216) 696-2646
2	2400 Mulberry Street • Cleveland, Ohio 44113 • Phone (216) 696-2646	
3	CHEMICAL NAME OR FAMILY <u>Primarily Petroleum Hydro carbon</u>	4 FORMULA <u>Mineral oil, graphite. additives</u>

SECTION II - CHEMICAL AND PHYSICAL PROPERTIES

HAZARDOUS DECOMPOSITION PRODUCTS	FORM
5 None	8 Viscous liquid
INCOMPATIBILITY (KEEP AWAY FROM)	ODOR
6 Strong oxidizing agents	9 Bland
LIST ALL TOXIC AND HAZARDOUS INGREDIENTS	APPEARANCE
7 None No lead No sulfur	10 Black Fluid
	COLOR
	11 Black
	SPECIFIC GRAVITY (WATER = 1)
	12 .90
	BOILING PT.
	13 > 850 °C
	°F
	MELTING PT.
	14 °C
	°F
	SOLUBILITY IN WATER
	15 Insoluble
	AT °C
	16 % VOLATILE (BY WT %)
	17
	EVAP. RATE
	18 N/A
	(= 1)
	VAPOR PRESSURE
	19 0.01 (mm Hg at 20 °C)
	VAPOR DENSITY (AIR = 1)
	20 > .50
	pH AS IS
	21 N/A
	pH ()
	22
	STRONG ACID <input type="checkbox"/>
	STRONG BASE <input type="checkbox"/>
	STABLE <input type="checkbox"/>
	UNSTABLE <input type="checkbox"/>
	23
	VISCOSITY SUS
	24 < 100 <input type="checkbox"/>
	AT 210°F 100 OR > <input type="checkbox"/>
	25 170-180

SECTION III - FIRE AND EXPLOSION DATA

SPECIAL FIRE FIGHTING PROCEDURES	FLASH POINT (METHOD USED)
Chemical Extinguisher use	26 °C °F
normal methods for petroleum fires	FLAMMABLE LIMITS %
UNUSUAL FIRE AND EXPLOSION HAZARDS	27 LOWER UPPER
None	EXTINGUISHING AGENTS
25	<input type="checkbox"/> DRYCHEMICAL <input type="checkbox"/> CO ₂
	<input type="checkbox"/> WATERSPRAY <input type="checkbox"/> FOAM
	<input type="checkbox"/> WATERFOG <input type="checkbox"/> SAND/EARTH
	28 <input type="checkbox"/> OTHER

SECTION IV - HEALTH HAZARD DATA

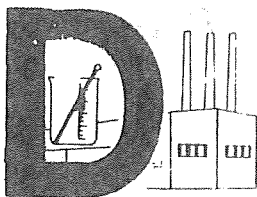
PERMISSIBLE CONCENTRATIONS (AIR)
29 N/A
EFFECTS OF OVEREXPOSURE
30 N/A
TOXICOLOGICAL PROPERTIES
31 None
EMERGENCY FIRST AID PROCEDURES
32 EYES Flush with water- consult a Physician
33 SKIN CONTACT Wash with soap and water
34 INHALATION
35 IF SWALLOWED See Physician immediately

NA = NOT APPLICABLE

NDA = NO DATA AVAILABLE

< = LESS THAN

> = MORE THAN



MATERIAL SAFETY DATA SHEET

PRODUCT Dubro 550

PROTECTION INFORMATION

VENTILATION TYPE REQUIRED (LOCAL, MECHANICAL, SPECIAL)

General Plant Ventilation

PROTECTIVE GLOVES

38 None

EYE PROTECTION

39 Safety Glasses

OTHER PROTECTIVE EQUIPMENT

40 None

36

RESPIRATORY PROTECTION (SPECIFY TYPE)

None

37

SECTION VI - HANDLING OF SPILLS OR LEAKS

PROCEDURES FOR CLEAN-UP

Apply oil absorbant, sweep up and
remove residue with alkaline cleaner

41

WASTE DISPOSAL

Place contaminated material in disposal containers
and bury in an approved landfill site

42

SECTION VII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid strong oxidizing agents

43

SECTION VIII - TRANSPORTATION DATA

UNREGULATED
BY D.O.T.

U.S. D.O.T. PROPER SHIPPING NAME

47

REGULATED
BY D.O.T.

U.S. D.O.T. HAZARD CLASS

48

I.D. NUMBER

49

TRANSPORTATION
EMERGENCY
INFORMATION

RQ

LABEL(S) REQUIRED

50

51

FREIGHT CLASSIFICATION

52

SPECIAL TRANSPORTATION NOTES

53

44

45

46

SECTION IX - COMMENTS

54

SIGNATURE

C. W. Rough

TITLE

President

REVISION DATE

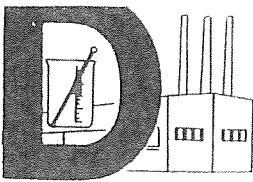
SENT TO ATTN:

DATE ~~03-12-97~~

SUPERSEDES

03-12-97
B-B

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.



MATERIAL SAFETY DATA SHEET

CDF # 0906

PRODUCT DUBRO 550 FORGING COMPOUND

HAZARD RATING	4 - EXTREME	Fire	Reactivity
	3 - HIGH		
	2 - MODERATE		
	1 - SLIGHT		
	0 - INSIGNIFICANT		
Toxicity	Special		

SECTION I

JUL 2 1997

1 DUBRO OIL CORPORATION		EMERGENCY TELEPHONE MANUFACTURER (216) 696-2646
2 2400 Mulberry Street • Cleveland, Ohio 44113 • Phone (216) 696-2646		
3 CHEMICAL NAME OR FAMILY <u>Primarily Petroleum Hydro carbon</u>		4 FORMULA <u>Mineral oil, graphite. additives</u>

SECTION II - CHEMICAL AND PHYSICAL PROPERTIES

CHEMICAL	PHYSICAL
HAZARDOUS DECOMPOSITION PRODUCTS	FORM
5 None	8 Viscous liquid
INCOMPATIBILITY (KEEP AWAY FROM)	ODOR
6 Strong oxidizing agents	9 Bland
LIST ALL TOXIC AND HAZARDOUS INGREDIENTS	APPEARANCE
7 None	10 Black Fluid
No lead	COLOR
No sulfur	11 Black
	SPECIFIC GRAVITY (WATER = 1)
	12 .90
	BOILING PT.
	13 > 850 °C
	°F
	MELTING PT.
	14 °C
	°F
	SOLUBILITY IN WATER
	15 Insoluble
	AT °C
	16 % VOLATILE (BY WT %)
	EVAP. RATE
	17 (= 1) N/A
	VAPOR PRESSURE
	18 (mm Hg at 20 °C) 0.01
	VAPOR DENSITY (AIR = 1)
	19 > .50
	pH AS IS
	20 pH () N/A
	STRONG ACID <input type="checkbox"/>
	STRONG BASE <input type="checkbox"/>
	STABLE <input type="checkbox"/>
	UNSTABLE <input type="checkbox"/>
	21
	VISCOSITY SUS
	22 AT 210°F < 100 □
	100 OR > □
	23 170-180

SECTION III - FIRE AND EXPLOSION DATA

SPECIAL FIRE FIGHTING PROCEDURES	FLASH POINT (METHOD USED)
Chemical Extinguisher use	26 °C °F
normal methods for petroleum	FLAMMABLE LIMITS %
24 fires	27 LOWER UPPER
UNUSUAL FIRE AND EXPLOSION HAZARDS	EXTINGUISHING AGENTS
None	<input type="checkbox"/> DRYCHEMICAL <input type="checkbox"/> CO ₂
	<input type="checkbox"/> WATERSPRAY <input type="checkbox"/> FOAM
	<input type="checkbox"/> WATERFOG <input type="checkbox"/> SAND/EARTH
25	28 <input type="checkbox"/> OTHER

SECTION IV - HEALTH HAZARD DATA

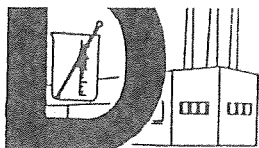
PERMISSIBLE CONCENTRATIONS (AIR)
29 N/A
EFFECTS OF OVEREXPOSURE
30 N/A
TOXICOLOGICAL PROPERTIES
31 None
EMERGENCY FIRST AID PROCEDURES
32 EYES Flush with water- consult a Physican
33 SKIN CONTACT Wash with soap and water
34 INHALATION
35 IF SWALLOWED See Physican immediately

NA = NOT APPLICABLE

NDA = NO DATA AVAILABLE

< = LESS THAN

> = MORE THAN



MATERIAL SAFETY DATA SHEET

PRODUCT DUBRO 550 FORGING COMPOUND

CDF # 0906

HAZARD RATING N F P A	4 - EXTREME	Fire Reactivity Toxicity Special
	3 - HIGH	
	2 - MODERATE	
	1 - SLIGHT	
	0 - INSIGNIFICANT	

SECTION I

1	DUBRO OIL CORPORATION	EMERGENCY TELEPHONE MANUFACTURER (216) 696-2646
2	2400 Mulberry Street • Cleveland, Ohio 44113 • Phone (216) 696-2646	
3	CHEMICAL NAME OR FAMILY <u>Primarily Petroleum Hydrocarbon</u>	4 FORMULA <u>Mineral oil, graphite, additives</u>

SECTION II - CHEMICAL AND PHYSICAL PROPERTIES

CHEMICAL	PHYSICAL
HAZARDOUS DECOMPOSITION PRODUCTS 5 <u>None</u>	FORM 8 <u>Viscous liquid</u>
INCOMPATIBILITY (KEEP AWAY FROM) 6 <u>Strong oxidizing agents</u>	ODOR 9 <u>Bland</u>
LIST ALL TOXIC AND HAZARDOUS INGREDIENTS 7 <u>None</u> <u>No lead</u> <u>No sulfur</u>	APPEARANCE 10 <u>Black Fluid</u>
	COLOR 11 <u>Black</u>
	SPECIFIC GRAVITY 12 (WATER = 1) <u>.90</u>
	BOILING PT. 13 <u>850</u> °C °F
	MELTING PT. 14 _____ °C °F
	SOLUBILITY IN WATER 15 <u>Insoluble</u>
	AT _____ °C
	% VOLATILE 16 (BY WT %) _____
	EVAP. RATE 17 (_____ = 1) <u>N/A</u>
	VAPOR PRESSURE 18 (mm Hg at 20 °C) <u>0.01</u>
	VAPOR DENSITY 19 (AIR = 1) <u>> .50</u>
	pH AS IS 20 pH () _____
	STRONG ACID _____
	STRONG BASE _____
	STABLE _____
	UNSTABLE _____
	VISCOSITY 21 SUS <u>< 100 ()</u> AT 100 °F <u>100 OR > ()</u>
	22 <u>210</u>
	23 <u>170-180</u>

SECTION III - FIRE AND EXPLOSION DATA

SPECIAL FIRE FIGHTING PROCEDURES 24 <u>Chemical Extinguisher use normal methods for petroleum fires</u>	FLASH POINT (METHOD USED) 26 _____ °C _____ °F
UNUSUAL FIRE AND EXPLOSION HAZARDS 25 <u>None</u>	FLAMMABLE LIMITS % 27 LOWER _____ UPPER _____
	EXTINGUISHING AGENTS 28 () DRYCHEMICAL CO, () WATERSPRAY () FOAM () WATERFOG SAND/EARTH () OTHER _____

SECTION IV - HEALTH HAZARD DATA

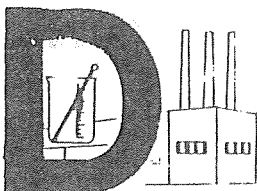
PERMISSIBLE CONCENTRATIONS (AIR) 29 <u>N/A</u>
EFFECTS OF OVEREXPOSURE 30 <u>N/A</u>
TOXICOLOGICAL PROPERTIES 31 <u>None</u>
EMERGENCY FIRST AID PROCEDURES 32 <u>Flush with water- consult a Physician</u>
33 SKIN CONTACT <u>Wash with soap and water</u>
34 INHALATION
35 IF SWALLOWED <u>See Physician immediately</u>

NA = NOT APPLICABLE

NDA = NO DATA AVAILABLE

< = LESS THAN

> = MORE THAN



MATERIAL SAFETY DATA SHEET

PRODUCT Dubro 550

PROTECTION INFORMATION

VENTILATION TYPE REQUIRED (LOCAL, MECHANICAL, SPECIAL)

General Plant Ventilation

PROTECTIVE GLOVES

38 None

EYE PROTECTION

Safety Glasses

OTHER PROTECTIVE EQUIPMENT

None

RESPIRATORY PROTECTION (SPECIFY TYPE)

None

SECTION VI - HANDLING OF SPILLS OR LEAKS

PROCEDURES FOR CLEAN-UP

Apply oil absorbant, sweep up and
remove residue with alkaline cleaner

WASTE DISPOSAL

Place contaminated material in disposal containers
and bury in an approved landfill site

SECTION VII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid strong oxidizing agents

SECTION VIII - TRANSPORTATION DATA

UNREGULATED
BY D.O.T.



U.S. D.O.T. PROPER SHIPPING NAME

REGULATED
BY D.O.T.



U.S. D.O.T. HAZARD CLASS

I.D. NUMBER

TRANSPORTATION
EMERGENCY
INFORMATION

RD

LABEL(S) REQUIRED

50

51

FREIGHT CLASSIFICATION

52

SPECIAL TRANSPORTATION NOTES

53

SECTION IX - COMMENTS

SIGNATURE

C. W. Roush

TITLE President

REVISION DATE

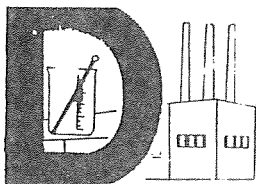
SENT TO ATTN:

DATE

05-16-2001

SUPERSEDES

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.



MATERIAL SAFETY DATA SHEET

PRODUCT Dubro 500

PROTECTION INFORMATION

VENTILATION TYPE REQUIRED (LOCAL, MECHANICAL, SPECIAL)

General Plant Ventilation

PROTECTIVE GLOVES

38 None

EYE PROTECTION

39 Safety Glasses

OTHER PROTECTIVE EQUIPMENT

40 None

36 RESPIRATORY PROTECTION (SPECIFY TYPE)

37 None

SECTION VI - HANDLING OF SPILLS OR LEAKS

PROCEDURES FOR CLEAN-UP

41 Apply oil absorbant, sweep up and
remove residue with alkaline cleaner

42 WASTE DISPOSAL

Place contaminated material in disposal containers
and bury in an approved landfill site

SECTION VII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

43 Avoid strong oxidizing agents

SECTION VIII - TRANSPORTATION DATA

44 UNREGULATED
BY D.O.T. ☒

47 U.S. D.O.T. PROPER SHIPPING NAME

45 REGULATED
BY D.O.T. ☐

48 U.S. D.O.T. HAZARD CLASS

49 I.D. NUMBER

46 TRANSPORTATION
EMERGENCY
INFORMATION

50

LABEL(S) REQUIRED

51

52 FREIGHT CLASSIFICATION

53 SPECIAL TRANSPORTATION NOTES

SECTION IX - COMMENTS

SIGNATURE

C. W. Rough

TITLE President

REVISION DATE

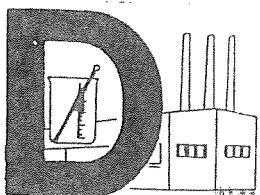
SENT TO ATTN:

DATE 07/01/95

SUPERSEDES

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

CD#0905



MATERIAL SAFETY DATA SHEET

PRODUCT DUBRO 500 FORGING COMPOUND

JUL 30 1995

HAZARD RATING N F P A	4 - EXTREME	Fire Reactivity Toxicity Special
	3 - HIGH	
	2 - MODERATE	
	1 - SLIGHT	
	0 - INSIGNIFICANT	

SECTION I

1	DUBRO OIL CORPORATION	EMERGENCY TELEPHONE
2	2400 Mulberry Street • Cleveland, Ohio 44113 • Phone (216) 696-2646	MANUFACTURER
3	CHEMICAL NAME OR FAMILY <u>Primarily Petroleum Hydrocarbon</u>	4
		Formula <u>Mineral oil, graphite, Additives</u>

SECTION II - CHEMICAL AND PHYSICAL PROPERTIES

CHEMICAL	PHYSICAL
HAZARDOUS DECOMPOSITION PRODUCTS	FORM
5 <u>None</u>	8 <u>Viscous Liquid</u>
INCOMPATIBILITY (KEEP AWAY FROM)	ODOR
6 <u>Strong oxidizing agents</u>	9 <u>Bland</u>
LIST ALL TOXIC AND HAZARDOUS INGREDIENTS	APPEARANCE
7 <u>None</u> <u>No lead</u> <u>No sulfur</u>	10 <u>Black Fluid</u>
	COLOR
	11 <u>Black</u>
	SPECIFIC GRAVITY
	12 (WATER = 1) <u>.91</u>
	BOILING PT.
	13 <u>> 850</u> °C
	MELTING PT.
	14 <u></u> °C
	SOLUBILITY IN WATER
	15 <u>Insoluble</u>
	AT <u></u> °C
	% VOLATILE (BY WT %)
	16 <u></u>
	EVAP. RATE
	17 (<u></u> = 1) <u>N/A</u>
	VAPOR PRESSURE
	18 (mm Hg at 20 °C) <u>0.01 mm</u>
	VAPOR DENSITY (AIR = 1)
	19 <u>> 5</u>
	pH AS IS
	20 pH () <u>N/A</u>
	STRONG ACID <u></u> ()
	STRONG BASE <u></u> ()
	STABLE <u></u> ()
	UNSTABLE <u></u> ()
	21 <u></u>
	VISCOSITY
	22 SUS <u>0</u> AT <u>210 F</u> <u>< 100</u> <u>on 89 F</u>
	23 <u>150-170</u>

SECTION III - FIRE AND EXPLOSION DATA

SPECIAL FIRE FIGHTING PROCEDURES	FLASH POINT (METHOD USED)
Chemical Extinguisher	26 <u>301</u> °C <u>575</u> °F
Normal methods for petroleum fires	FLAMMABLE LIMITS %
24 <u></u>	27 LOWER <u></u> UPPER <u></u>
UNUSUAL FIRE AND EXPLOSION HAZARDS	EXTINGUISHING AGENTS
25 <u>None</u>	<input checked="" type="checkbox"/> DRYCHEMICAL <input checked="" type="checkbox"/> CO ₂ <input checked="" type="checkbox"/> X
	<input type="checkbox"/> WATERSPRAY <input type="checkbox"/> FOAM
	<input type="checkbox"/> WATERFOG <input type="checkbox"/> SAND/EARTH
	28 <input type="checkbox"/> OTHER <u></u>

SECTION IV - HEALTH HAZARD DATA

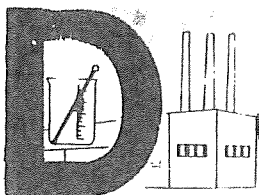
PERMISSIBLE CONCENTRATIONS (AIR)
29 <u>N/A</u>
EFFECTS OF OVEREXPOSURE
30 <u>N/A</u>
TOXICOLOGICAL PROPERTIES
31 <u>None</u>
EMERGENCY FIRST AID PROCEDURES
32 EYES <u>Flush with water-Consult Physician</u>
33 SKIN CONTACT <u>Wash with soap and water</u>
34 INHALATION
35 IF SWALLOWED <u>Consult Physician immediately</u>

NA = NOT APPLICABLE

NDA = NO DATA AVAILABLE

< = LESS THAN

> = MORE THAN



MATERIAL SAFETY DATA SHEET

PRODUCT Dubro 500

PROTECTION INFORMATION

VENTILATION TYPE REQUIRED (LOCAL, MECHANICAL, SPECIAL)

General Plant Ventilation

PROTECTIVE GLOVES

38 None

EYE PROTECTION

39 Safety Glasses

OTHER PROTECTIVE EQUIPMENT

40 None

36

RESPIRATORY PROTECTION (SPECIFY TYPE)

None

37

SECTION VI - HANDLING OF SPILLS OR LEAKS

PROCEDURES FOR CLEAN-UP

Apply oil absorbant, sweep up and
remove residue with alkaline cleaner

41

WASTE DISPOSAL

Place contaminated material in disposal containers
and bury in an approved landfill site

42

SECTION VII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid strong oxidizing agents

43

SECTION VIII - TRANSPORTATION DATA

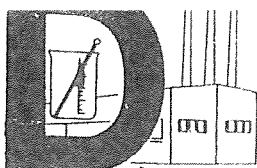
44	UNREGULATED BY D.O.T.	<input checked="" type="checkbox"/>	U.S. D.O.T. PROPER SHIPPING NAME	
45	REGULATED BY D.O.T.	<input type="checkbox"/>	U.S. D.O.T. HAZARD CLASS	
46	TRANSPORTATION EMERGENCY INFORMATION	47	I.D. NUMBER	
		48	49	
		50	51	
		52		
FREIGHT CLASSIFICATION				
SPECIAL TRANSPORTATION NOTES				
53				

SECTION IX - COMMENTS

54

SIGNATURE	<u>C. W. Rough</u>	TITLE	<u>President</u>
REVISION DATE		SENT TO	ATTN:
SUPERSEDES			
		DATE	<u>03-12-97</u> <u>B-B</u>

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.



MATERIAL SAFETY DATA SHEET

CDF # 0905

PRODUCT DUBRO 500 FORGING COMPOUND

SECTION I

HAZARD RATING NFPA	4 - EXTREME	Fire 0 0 0 0	Reactivity 0 0 0 0
	3 - HIGH		
	2 - MODERATE		
	1 - SLIGHT		
	0 - INSIGNIFICANT		
Toxicity		Special	

DUBRO OIL CORPORATION

2400 Mulberry Street • Cleveland, Ohio 44113 • Phone (216) 696-2646

EMERGENCY TELEPHONE
MANUFACTURER
(216) 696-2646

CHEMICAL NAME OR FAMILY

FORMULA

Primarily Petroleum Hydro carbon

Mineral oil, graphite. additives

SECTION II - CHEMICAL AND PHYSICAL PROPERTIES

CHEMICAL

PHYSICAL

HAZARDOUS DECOMPOSITION PRODUCTS

FORM

None

Viscous liquid

INCOMPATIBILITY (KEEP AWAY FROM)

Bland

Strong oxidizing agents

Black Fluid

LIST ALL TOXIC AND HAZARDOUS INGREDIENTS

COLOR
Black

None

No lead

SPECIFIC GRAVITY
(WATER = 1) .90

No sulfur

BOILING PT. > 850 °C

SECTION III - FIRE AND EXPLOSION DATA

SPECIAL FIRE FIGHTING PROCEDURES

FLASH POINT (METHOD USED)

Chemical Extinguisher use
normal methods for petroleum

26 °C °F

FLAMMABLE LIMITS %

fires

27 LOWER UPPER

UNUSUAL FIRE AND EXPLOSION HAZARDS

EXTINGUISHING AGENTS

None

() DRYCHEMICAL CO₂

() WATERSPRAY () FOAM

() WATERFOG SAND/EARTH

28 () OTHER

13 °C °F

MELTING PT. °C °F

14 °C °F

SOLUBILITY
IN WATER Insoluble

AT °C

% VOLATILE
(BY WT %) 15

EVAP. RATE

17 (= 1) N/A

VAPOR PRESSURE
(mm Hg at 20 °C) 0.01

VAPOR DENSITY
(AIR = 1) > .50

pH AS IS
20 pH () N/A

SECTION IV - HEALTH HAZARD DATA

PERMISSIBLE CONCENTRATIONS (AIR)

29 N/A

EFFECTS OF OVEREXPOSURE

30 N/A

TOXICOLOGICAL PROPERTIES

31 None

EMERGENCY FIRST AID PROCEDURES

32 EYES Flush with water- consult a Physician

33 SKIN CONTACT Wash with soap and water

34 INHALATION

35 IF SWALLOWED See Physician immediately

21 STRONG ACID ()
STRONG BASE ()
STABLE ()
UNSTABLE ()

VISCOSITY
SUS < 100 □
AT 210°F 100 OR > □

23 170-180

NA = NOT APPLICABLE

NDA = NO DATA AVAILABLE

< = LESS THAN

> = MORE THAN